

REMARKS

By this Amendment, claims 1-21 are canceled without prejudice to or disclaimer of the subject matter contained therein. Accordingly, claims 22-24 are pending. Reconsideration of the application is respectfully requested.

The Examiner is thanked for the courtesies extended to Applicants' representative, Mr. Lillywhite, in the course of a personal interview conducted August 12, 2003. The substance of that interview is incorporated in the following remarks.

I. **The Claims Satisfy All Formal Requirements**

Claims 1-15 stand rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement. This rejection is moot in view of the cancellation of claims 1-15. Accordingly, withdrawal of the rejection is respectfully requested.

II. **The Claims Define Allowable Subject Matter**

Claims 1-12 stand rejected under 35 U.S.C. §102(b) over U.S. Patent No. 5,889,549 to Yasuada et al. ("Yasuda"). Claims 1-15 stand rejected under 35 U.S.C. §102(b) over U.S. Patent No. 6,028,631 to Nakaya et al. ("Nakaya"). These rejections are moot in view of the cancellation of claims 1-15. Accordingly, withdrawal of these rejections is respectfully requested.

Claims 22 and 24 stand rejected under 35 U.S.C. §102(e) over U.S. Patent No. 6,147,712 to Shimamoto et al. ("Shimamoto"). Claim 23 stands rejected under 35 U.S.C. §103(a) over Shimamoto in view of U.S. Patent No. 6,477,185 to Komi et al. ("Komi"). These rejections are respectfully traversed.

As discussed at the August 12 interview, Shimamoto does not disclose a semiconductor device including "a controller which controls the decoder, the RAM and the driving section," as recited in independent claim 22 or "a controller which controls the decoder, the RAM and the driver," as recited in independent claim 24. The specification on

page 28 discloses that the LCD timing control circuit 122 instructs the MPEG-4 decoder circuit 120 to read timing for reading the display data for one frame from one of the first and second frame buffers 128 and 130.

Shimamoto discloses a frame rate controller 7 that receives a synchronization information from the video decoder 5 and a sync signal generator 11 and control writing in and reading from the frame memory 6. The sync signal generator 11 receives information relating to the format of the output video signal from the video decoder 5, and forms a sync signal anew. The sync signal is used for the display at the monitor 10, and applied to the monitor 10 and the frame rate controller 7. However, the sync signal generator 11 and the frame rate controller 7 do not control the decoder.

Thus, as agreed by Examiners Mondt and Flynn during the August 12 personal interview, the controller disclosed by Shimamoto does not control the decoder.

Therefore , it is respectfully submitted that claims 22 and 24 are patentable over Shimamoto. Accordingly, withdrawal of the rejection under 35 U.S.C. §102(e) is respectfully requested.

With respect to claim 23, it is respectfully submitted that Komi does not make up for the deficiency of Shimamoto discussed above. Therefore, it is respectfully submitted that claim 23 is patentable over the asserted combination of Shimamoto and Komi at least in view of the patentability of claim 22 from which it depends, as well as for the additional features it recites. Accordingly, withdrawal of the rejection under 35 U.S.C. §103(a) is respectfully requested.

As pointed out in MPEP §2131, "[t]o anticipate a claim, the reference must teach every element of the claim." Thus, "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. *Verdegaal Bros. v. Union Oil Co. of California*, 2 USPQ 2d 1051, 1053 (Fed. Cir.

1987)." With regard to obviousness, as pointed out in MPEP §2141, "examiners carry the responsibility of making sure that the standard of patentability enunciated by the Supreme Court . . . is applied in each and every case." (emphasis in original) Thus, as pointed out in MPEP §2143, "the prior art reference (or references when combined) must teach or suggest all the claim limitations."

III. Conclusion

For at least these reasons, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 22-24 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Klifton L. Kime
Registration No. 42,733

JAO:KLK/can

Date: August 22, 2003

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--